

**B. ABSTRACT**

The subject apparatus which incorporates features of the subject invention is a combined wind powered and solar powered rotor mechanism, specifically utilizing energy from both solar and wind sources to provide energy to drive a rotor mechanism, such apparatus comprising in its general form a vertically standing or substantially upright structure that has an air intake opening at the bottom portion or at some position intermediate between the bottom portion and upper portion of the apparatus, such opening connecting outside air with a central longitudinally extending chamber that extends upwardly towards the upper part of the apparatus, with a portion of the apparatus, in one embodiment, being comprised of translucent material to admit solar energy into the longitudinal extending chamber with a portion of the chamber, in one embodiment, being formed of solar absorption materials to receive solar energy, with an air powered rotor mechanism at or near the upper portion of the chamber, such rotor mechanism having a central rotational axle rotationally installed through or adjacent to such chamber, such rotational axle having air movement sensitive means to receive the impact of any upwardly extending air moving through such chamber and additionally having air movement sensitive means disposed on a portion of such rotational axle to receive directly air from outside such chamber, for direct rotational drive of such rotational axle.